

ABSTRACT

The invention concerns a method for retrieving local near-surface material information including the steps of:

5 - providing a group of receivers comprising at least one buried receiver and at least one surface receiver positioned either at or very near the Earth surface ; - recording a seismic wavefield; - estimating a propagator from said recorded seismic wavefield; - inverting said

10 propagator; and - retrieving said near-surface material information.